

**ABSTRACT OF THE DISCLOSURE**

5           A system for increasing the call capacity of an access point in a WLAN, allowing  
the number of WLAN phones that can be supported to be increased. The system  
determines whether a maximum total voice path delay would be exceeded if the  
packetization delay is increased for packets in a call. In the event that the packetization  
delay can be increased without the total delay exceeding the maximum delay, the  
10   disclosed system increases the size of packets used in the call, if all participating devices  
can process the increased packet size. The maximum delay may be predetermined, and  
reflect a maximum delay that cannot be exceeded without adversely impacting the voice  
quality of a call. If the two end points for a call are determined to be physically "local" to  
each other, packetization delay for the call may be increased based on the assumption that  
15   the increased packetization delay will not decrease the voice quality of the call.